

C O N F I D E N T I A L18th January, 1960.COCOM Document No. 3852COORDINATING COMMITTEERECORD OF STATEMENT BY THE UNITED STATES DELEGATEONA UNITED KINGDOM PROPOSAL TO EXPORTINFRA-RED DETECTOR CELLS TO POLAND.5th January, 1960

Present: Belgium(Luxembourg), Denmark, France, Germany, Italy, Japan,
Netherlands, Norway, United Kingdom, United States.

References: COCOM 3765, 3803.

The UNITED STATES Delegate recalled that on December 3rd (COCOM 3803) he had asked the United Kingdom Delegation a number of technical questions concerning the infra-red detector cells which it was proposed to export to Poland. The United Kingdom had replied to these questions during the Christmas recess. The United States Delegate appreciated the additional information, but on the basis of a full review of the record of the discussion in the Committee and the information provided by the United Kingdom, his authorities felt obliged to object to this export. They considered that eventually all uses of this equipment were of military benefit, and that even the use of this equipment in laboratory work was directly related to military purposes. The Delegate recalled that the Netherlands Delegation had also been somewhat concerned about this export, and that the French Delegation had also asked questions about it (COCOM 3803, paragraphs 6 and 31 respectively).

NOTE: Details of the supplementary information provided by the United Kingdom are given below:

Specification of the P.C. 21 Infra-red Detector Cell

Spectral response	The sensitivity is uniform between 2 - 6 microns with a cut-off at 7 microns
Sensitivity:	Equivalent noise input = 10^{-9} watts
Radiation at 6 microns	* Incident signal power required to give signal equal to noise at amplifier output for 1 c/s bandwidth
Radiation from 200°C. black body (when radiation is 16 microwatts per square centimetre)	Equivalent noise input = 6×10^{-9} watts
magnetic field of internal bias magnets	10 kilogauss
Time constant	Less than one microsecond
Cell resistance	5 - 25 ohms
Electrical connection	Coaxial socket
Size	1 1/2 in. x 1 in. x 9/16 in.
Weight	Approximately 75 grammes.

The above figures are obtained in a room temperature of 17°C. and when feeding an amplifier with a bandwidth of 50 c/s and a chopping frequency of 800 c/s.

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